

piedata

Data labeling for generative AI /
computer vision and solutions

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What is Piedata?

At Piedata we specialize in precise data annotation for generative AI and computer vision



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We've been working with different clients all over the world for more than **5 years**



15+

Piedata is a team of **15+** professionals and more than **3 000** data labelers



500+

We served more than 500+ clients, among which were



Snap Inc.



Picsart

Pains

What pains do we usually relieve for our clients?



Lack of control

Sometimes it is difficult to hold under control all the aspects of a large-scale business and that's when **computer vision** and **image recognition** might be handy



Human factor

AI is the **best support** for employees who hold responsibilities for crucial processes



Lack of notification and reaction speed

Unlike human beings, AI doesn't need rest and reacts **instantly** according to protocol

Why Piedata?

**With an unwavering commitment to accuracy and performance,
we ensure flawless functionality and superior experience**



Outstanding quality

Uncompromising quality is what we are valued for. We don't stop working on a product or service until they fully satisfy our clients



Unique experience

We've worked with **500+ clients** from different industries, including IT, logistics, and heavy industry. This experience provides us with a broad outlook we use in our work.



Innovative approach

We dive deep into the problems of our clients and are ready to offer a completely new **tailor-made solution** unseen by the market before

How can Piedata help you?

We've got several ideas of how can we help you



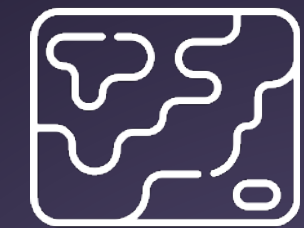
Automated passengers
recognition



Communication lines
defects detection



Automated accidents
detection

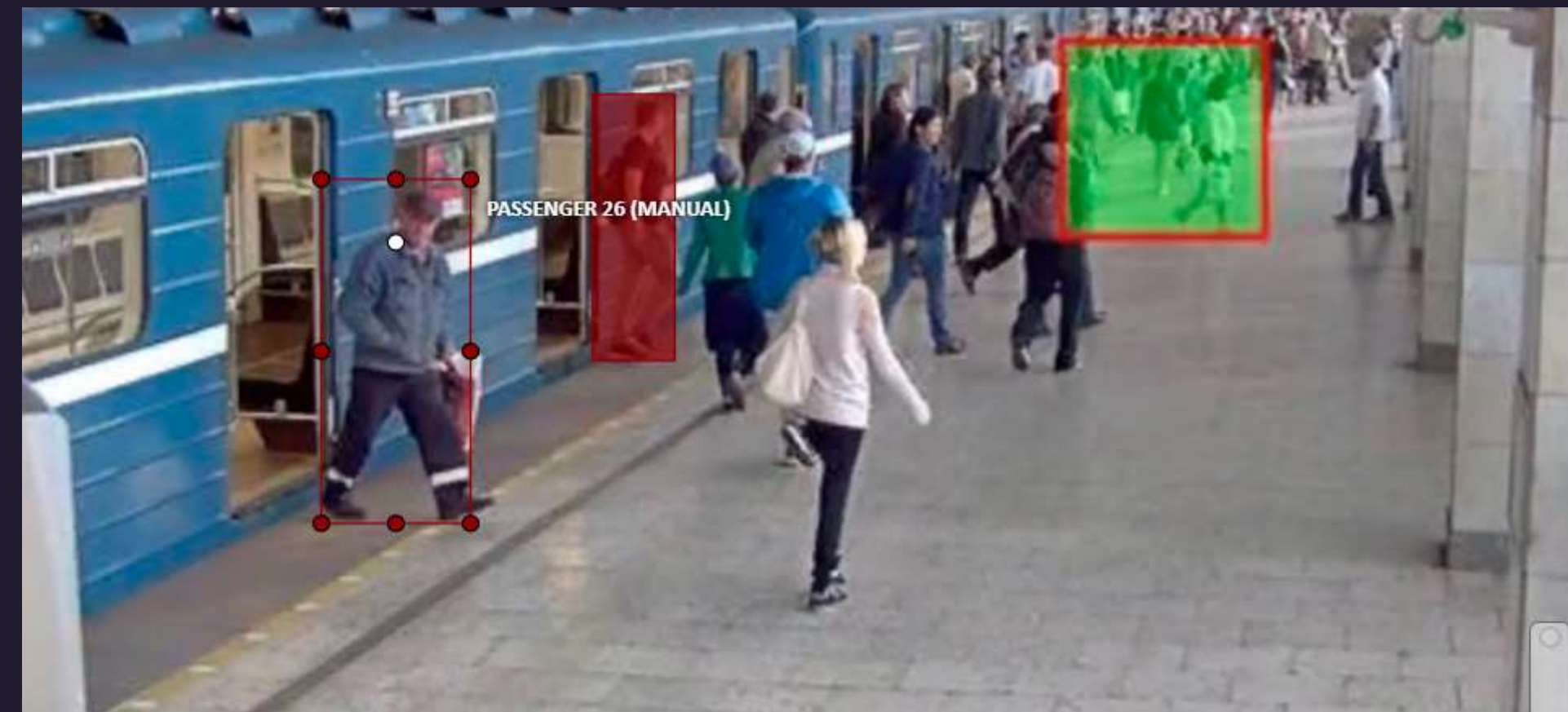


Geological changes
detection

And many other ideas to be implemented

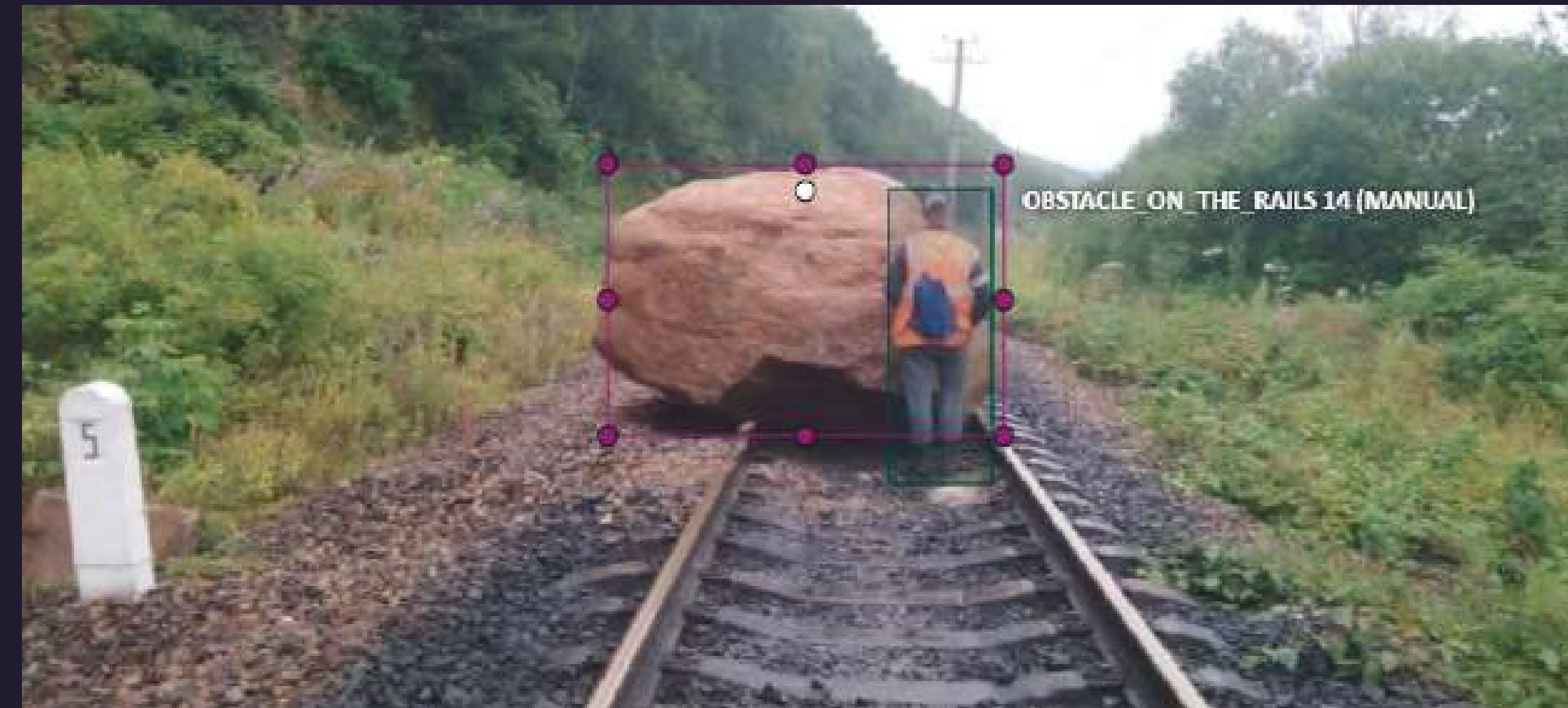
Automated passengers recognition

We propose to equip the CCTV cameras with a system passenger silhouette recognition for automatic counting



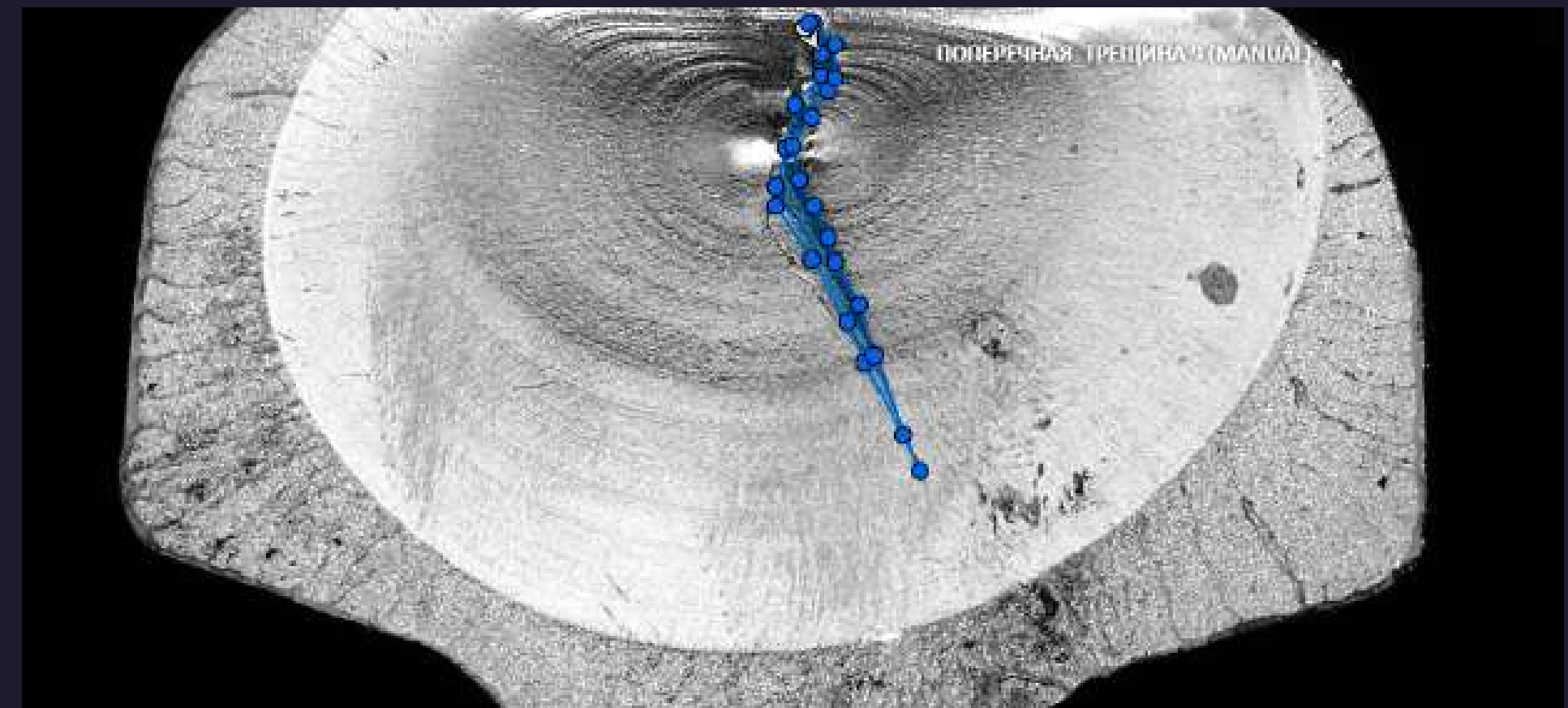
Automated accidents detection

We can equip railway tracks or driver's carriage cameras with automatic incident detection: falling trees or formation other obstacles, cars entering the path in the wrong place



Communication lines defects detection

Improve ultrasonic flaw detection systems turnouts and rails for defect analysis railway tracks, equipping them with a neural network that can automatically detect defects, determine their class and mark the area of damage.



Automated accidents detection

Railway tracks can be equipped with video surveillance systems designed to automatically detect changes in terrain. The intention is for real-time monitoring and data analysis to be carried out.



Automated inventory tracking system

Task: Create an automated inventory tracking system

Solution: We analyzed and labeled over 350,000 video recordings from warehouses to identify and fix issues like incomplete packages, etc.



Results:

- 1) +2% Sales increase and -4% accidents in the 1st month
- 2) Business process optimization and human factor

REAL CASE

Automated oil leak detection

Task: equip cameras with neural network for detecting emergency situations and oil leaks

Solution: We analyzed more than 100,000 frames to create semantic segmentation of oil leaks – to determine their location and scale.



Results:

- 1) Detection accuracy – 95.2%+
- 2) After detection a leak, a drone or a camera notifies human

REAL CASE

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